

COPY

Allied Signal's Ref: 30-4879 (4010)
Practitioner's Docket No. 594.07-US1

PATENT

COMBINED DECLARATION AND POWER OF ATTORNEY

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,
CONTINUATION, OR C-I-P)

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

This declaration is for an original application.

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (*if only one name is listed below*) or an original, first and joint inventor (*if plural names are listed below*) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

Highly Stable Packaging Substrates

SPECIFICATION IDENTIFICATION

The specification

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56.

POWER OF ATTORNEY

I hereby appoint the following practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Robert D. Fish
David Zoetewey
Roger H. Criss
John Donofrio
Leslie Weise

Registration Number 33880
Registration Number 45258
Registration Number 25570
Registration Number 32339
Registration Number 36305

I hereby appoint the practitioner(s) associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

SEND CORRESPONDENCE TO

DIRECT TELEPHONE CALLS TO:

Robert D. Fish
(714) 449-2337

Leslie Weise
Allied Signal, Inc.
101 Columbia Road
P.O. Box 2245
Morristown, NJ 07962-1057

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

Thomas McCarthy
Inventor's signature

Date

8/24/99

Country of Citizenship US

Residence Lake Hiawatha, NJ

Post Office Address

AlliedSignal Inc.

101 Columbia Road, PO Box 2245

Morristown, NJ 07962-1057

Michael Wagaman

Inventor's signature

Date

Country of Citizenship US

Residence Morristown, NJ

Post Office Address

AlliedSignal Inc.

101 Columbia Road, PO Box 2245

Morristown, NJ 07962-1057

David Schwind

Inventor's signature

Date

Country of Citizenship US

Residence Randolph, NJ

Post Office Address

AlliedSignal Inc.

101 Columbia Road, PO Box 2245

Morristown, NJ 07962-1057

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

Thomas McCarthy

Inventor's signature _____

Date _____

Country of Citizenship US

Residence Lake Hiawatha, NJ

Post Office Address AlliedSignal Inc.
101 Columbia Road, PO Box 2245
Morristown, NJ 07962-1057

Michael Wagaman

Inventor's signature  _____

Date 9/1/1999

Country of Citizenship US

Residence Morristown, NJ

Post Office Address AlliedSignal Inc.
101 Columbia Road, PO Box 2245
Morristown, NJ 07962-1057

David Schwind

Inventor's signature  _____

Date 9/1/99

Country of Citizenship US

Residence Randolph, NJ

Post Office Address AlliedSignal Inc.
101 Columbia Road, PO Box 2245
Morristown, NJ 07962-1057

COPY

Practitioner's Docket No. 594.07-US1

PATENT

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

10/045998
10/18/01

**COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING
NEW PATENT APPLICATION (37 CFR 3.31)**

**IDENTIFICATION OF APPLICATION
(37 CFR 3.21 and 37 CFR 3.31(a)(4))**

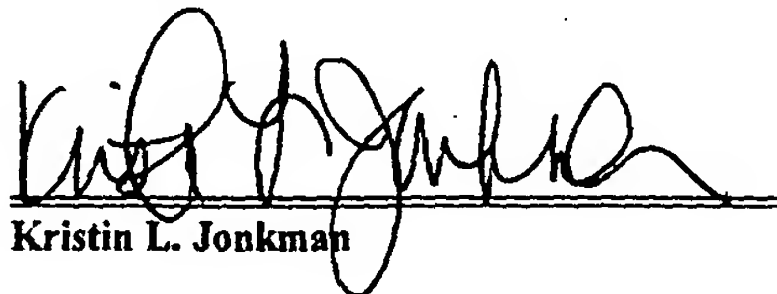
1. The patent application filed herewith and, to which the attached assignment (document) refers, is identified as follows:
 - a. Type of application: Application of patent (37 C.F.R. 1.53(b))
 - b. Date of execution: September 1, 1999 and September 8, 1999
 - c. Name of each inventor:
 - 1: McCarthy, Thomas
 - 2: Wagaman, Michael
 - 3: Schwind, David
 - d. Title of invention: HIGHLY STABLE PACKAGING SUBSTRATES

CERTIFICATION UNDER 37 C.F.R. 1.10*

(Express Mail label number is mandatory.)

(Express Mail certification is optional.)

I hereby certify that this "Cover Sheet for Assignment (Document) Accompanying New Patent Application" and the documents referred to as attached therein are being deposited with the United States Postal Service on this date September 14, 1999, in an envelope as "Express Mail Post Office to Addressee," mailing Label Number 922604014103US, addressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231.


Kristin L. Jonkman

WARNING: Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

***WARNING:** Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. 1.10(b).
"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

NAME OF PARTY(IES) CONVEYING INTEREST (37 CFR 3.31(a)(1))

2. The parties conveying this interest are:

Name 1: McCarthy, Thomas

Name 2: Wagaman, Michael

Name 3: Schwind, David

**NAME AND ADDRESS OF PARTY(IES) RECEIVING INTEREST
(37 CFR 3.31(a)(2))**

3. The rights are being conveyed to:

AlliedSignal, Inc.
101 Columbia Road
P.O. Box 2245
Morristown, NJ U.S.A.

**DESCRIPTION OF INTEREST CONVEYED OR TRANSACTION RECORDED
(37 CFR 3.31 (a)(3))**

4. The accompanying document intends to accomplish:
an assignment.

**NAME AND ADDRESS OF PARTY TO WHOM CORRESPONDENCE
SHOULD BE MAILED (37 CFR 3.31(a)(5))**

5. Please address correspondence to:

Leslie Weise
AlliedSignal, Inc.
101 Columbia Road
P.O. Box 2245
Morristown, NJ U.S.A.

DATE ASSIGNMENT (DOCUMENT) EXECUTED (37 CFR 3.31(a)(7))

6. The attached assignment (document) was executed on September 1, 1999 and September 8, 1999.

1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900 10000 10100 10200 10300 10400 10500 10600 10700 10800 10900 11000 11100 11200 11300 11400 11500 11600 11700 11800 11900 12000 12100 12200 12300 12400 12500 12600 12700 12800 12900 13000 13100 13200 13300 13400 13500 13600 13700 13800 13900 14000 14100 14200 14300 14400 14500 14600 14700 14800 14900 15000 15100 15200 15300 15400 15500 15600 15700 15800 15900 16000 16100 16200 16300 16400 16500 16600 16700 16800 16900 17000 17100 17200 17300 17400 17500 17600 17700 17800 17900 18000 18100 18200 18300 18400 18500 18600 18700 18800 18900 19000 19100 19200 19300 19400 19500 19600 19700 19800 19900 20000 20100 20200 20300 20400 20500 20600 20700 20800 20900 21000 21100 21200 21300 21400 21500 21600 21700 21800 21900 22000 22100 22200 22300 22400 22500 22600 22700 22800 22900 23000 23100 23200 23300 23400 23500 23600 23700 23800 23900 24000 24100 24200 24300 24400 24500 24600 24700 24800 24900 25000 25100 25200 25300 25400 25500 25600 25700 25800 25900 26000 26100 26200 26300 26400 26500 26600 26700 26800 26900 27000 27100 27200 27300 27400 27500 27600 27700 27800 27900 28000 28100 28200 28300 28400 28500 28600 28700 28800 28900 29000 29100 29200 29300 29400 29500 29600 29700 29800 29900 30000 30100 30200 30300 30400 30500 30600 30700 30800 30900 31000 31100 31200 31300 31400 31500 31600 31700 31800 31900 32000 32100 32200 32300 32400 32500 32600 32700 32800 32900 33000 33100 33200 33300 33400 33500 33600 33700 33800 33900 34000 34100 34200 34300 34400 34500 34600 34700 34800 34900 35000 35100 35200 35300 35400 35500 35600 35700 35800 35900 36000 36100 36200 36300 36400 36500 36600 36700 36800 36900 37000 37100 37200 37300 37400 37500 37600 37700 37800 37900 38000 38100 38200 38300 38400 38500 38600 38700 38800 38900 39000 39100 39200 39300 39400 39500 39600 39700 39800 39900 40000 40100 40200 40300 40400 40500 40600 40700 40800 40900 41000 41100 41200 41300 41400 41500 41600 41700 41800 41900 42000 42100 42200 42300 42400 42500 42600 42700 42800 42900 43000 43100 43200 43300 43400 43500 43600 43700 43800 43900 44000 44100 44200 44300 44400 44500 44600 44700 44800 44900 45000 45100 45200 45300 45400 45500 45600 45700 45800 45900 46000 46100 46200 46300 46400 46500 46600 46700 46800 46900 47000 47100 47200 47300 47400 47500 47600 47700 47800 47900 48000 48100 48200 48300 48400 48500 48600 48700 48800 48900 49000 49100 49200 49300 49400 49500 49600 49700 49800 49900 50000 50100 50200 50300 50400 50500 50600 50700 50800 50900 51000 51100 51200 51300 51400 51500 51600 51700 51800 51900 52000 52100 52200 52300 52400 52500 52600 52700 52800 52900 53000 53100 53200 53300 53400 53500 53600 53700 53800 53900 54000 54100 54200 54300 54400 54500 54600 54700 54800 54900 55000 55100 55200 55300 55400 55500 55600 55700 55800 55900 56000 56100 56200 56300 56400 56500 56600 56700 56800 56900 57000 57100 57200 57300 57400 57500 57600 57700 57800 57900 58000 58100 58200 58300 58400 58500 58600 58700 58800 58900 59000 59100 59200 59300 59400 59500 59600 59700 59800 59900 60000 60100 60200 60300 60400 60500 60600 60700 60800 60900 61000 61100 61200 61300 61400 61500 61600 61700 61800 61900 62000 62100 62200 62300 62400 62500 62600 62700 62800 62900 63000 63100 63200 63300 63400 63500 63600 63700 63800 63900 64000 64100 64200 64300 64400 64500 64600 64700 64800 64900 65000 65100 65200 65300 65400 65500 65600 65700 65800 65900 66000 66100 66200 66300 66400 66500 66600 66700 66800 66900 67000 67100 67200 67300 67400 67500 67600 67700 67800 67900 68000 68100 68200 68300 68400 68500 68600 68700 68800 68900 69000 69100 69200 69300 69400 69500 69600 69700 69800 69900 70000 70100 70200 70300 70400 70500 70600

- 8. Submitted herewith is the original document.**

9. A. This cover sheet identifies only one application.
B. The fee for recordal (37 CFR 1.21(h)) is \$40.00.
Attached is a check for \$40.00.

10. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: 9/14/99

Robert D. O.

Reg. No. 33880
Tel. No.: (714) 449-2337

Crockett & Fish
1440 N. Harbor Blvd.
Suite 706
Fullerton, CA 92835 U.S.A.

TOTAL NUMBER OF PAGES BEING SUBMITTED

11. The total number of pages being submitted, including cover sheet, attachment(s), and document(s) are: 8

104598-10482

ASSIGNMENT

Assignment before issue of Letters Patent

Allied File 30-4879 (4010)

WHEREAS, Thomas McCarthy, Michael Wagaman and David Schwind
(hereinafter "Assignor") have invented certain new and useful improvements in

**Highly Stable Packaging
Substrates**

(hereinafter "invention") for which Assignor is making or has made application for LETTERS PATENT OF
THE UNITED STATES, which application has been duly executed by Assignor on
the day(s) and date(s) of these presents.

AND WHEREAS, AlliedSignal Inc., a corporation organized and existing under the laws of the State of Delaware,
U.S.A., having a place of business at 101 Columbia Road, Morris Township, Morris County, New Jersey, U.S.A.,
hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said invention within the
United States of America and its territorial possessions and all foreign countries and any United States or foreign LETTERS
PATENT that may be granted therefor.

NOW, THIS INDENTURE WITNESSETH, that for good and valuable considerations, the receipt whereof is
hereby acknowledged, Assignor has assigned, sold and transferred, and does hereby assign, sell and transfer to the said
Assignee the entire right, title and interest in and to the said invention, within the United States of America and its territorial
possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries,
including utility models, inventor's certificates and like government grants, and all divisions, reissues, continuations and
extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full
benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty, including any
international convention, for the protection of industrial property, together with the right to extend the protection of said
U.S. LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the
United States of America, all said rights to be held and enjoyed by the Assignee for its own use and benefit, and for the use
and benefit of its successors or assigns, to the full end of the term for which said LETTERS PATENT may be granted, as
fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made.
And Assignor does hereby request and authorize the Commissioner of Patents and Trademarks, U.S.A., to issue said U.S.
LETTERS PATENT, when granted, in accordance with this assignment.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the
invention hereby assigned, which title Assignor warrants unto the Assignee, and Assignor further agrees that Assignor will,
without demanding any further consideration therefor, at the request but at the expense of the Assignee, do all lawful and
just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining,
sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the said
invention, and for maintaining and perfecting the Assignee's right to said invention and LETTERS PATENT particularly in
cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this

24 day of September, 19 99

Thomas McCarthy

Thomas McCarthy

IN TESTIMONY WHEREOF, I have hereunto set my hand this

_____ day of _____, 19 _____

Michael Wagaman

IN TESTIMONY WHEREOF, I have hereunto set my hand this

_____ day of _____, 19 _____

David Schwind

STATE OF New York)
COUNTY OF Rensselaer) SS.:

On this 8th day of Sept., 19 99 before me personally appeared
Thomas McCarthy

to me known and known to me to be the individual described in and who executed the foregoing instrument,
and he / she / they acknowledged to me that he / she / they executed the same.

[SEAL]

Joyce M. Moses
My commission expires: 7/31/2000

Notary Public
JOYCE M. MOSES
Notary Public, State of New York
Qualified in Rensselaer County
Commission Expires 7/31/2000

STATE OF _____)
COUNTY OF _____) SS.:

On this _____ day of _____, 19 _____ before me personally appeared

Michael Wagaman

to me known and known to me to be the individual described in and who executed the foregoing instrument,
and he / she / they acknowledged to me that he / she / they executed the same.

[SEAL]

My commission expires:

Notary Public

STATE OF _____)
COUNTY OF _____) SS.:

On this _____ day of _____, 19 _____ before me personally appeared

David Schwind

to me known and known to me to be the individual described in and who executed the foregoing instrument,
and he / she / they acknowledged to me that he / she / they executed the same.

[SEAL]

My commission expires:

Notary Public

ASSIGNMENT

Assignment before issue of Letters Patent

Allied File 30-4879 (4010)

WHEREAS, Thomas McCarthy, Michael Wagaman and David Schwind
(hereinafter "Assignor") have invented certain new and useful improvements in

**Highly Stable Packaging
Substrates**

(hereinafter "Invention") for which Assignor is making or has made application for LETTERS PATENT OF
THE UNITED STATES, which application has been duly executed by Assignor on
the day(s) and date(s) of these presents.

AND WHEREAS, AlliedSignal Inc., a corporation organized and existing under the laws of the State of Delaware,
U.S.A., having a place of business at 101 Columbia Road, Morris Township, Morris County, New Jersey, U.S.A.,
hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said Invention within the
United States of America and its territorial possessions and all foreign countries and any United States or foreign LETTERS
PATENT that may be granted therefor.

NOW, THIS INDENTURE WITNESSETH, that for good and valuable considerations, the receipt whereof is
hereby acknowledged, Assignor has assigned, sold and transferred, and does hereby assign, sell and transfer to the said
Assignee the entire right, title and interest in and to the said invention, within the United States of America and its territorial
possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries,
including utility models, inventor's certificates and like government grants, and all divisions, reissues, continuations and
extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full
benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty, including any
international convention, for the protection of industrial property, together with the right to extend the protection of said
U.S. LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the
United States of America, all said rights to be held and enjoyed by the Assignee for its own use and benefit, and for the use
and benefit of its successors or assigns, to the full end of the term for which said LETTERS PATENT may be granted, as
fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made.
And Assignor does hereby request and authorize the Commissioner of Patents and Trademarks, U.S.A., to issue said U.S.
LETTERS PATENT, when granted, in accordance with this assignment.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the
invention hereby assigned, which title Assignor warrants unto the Assignee, and Assignor further agrees that Assignor will,
without demanding any further consideration therefor, at the request but at the expense of the Assignee, do all lawful and
just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining,
sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the said
invention, and for maintaining and perfecting the Assignee's right to said invention and LETTERS PATENT particularly in
cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 19 _____

Thomas McCarthy

IN TESTIMONY WHEREOF, I have hereunto set my hand this 1 day of September, 19 77

Michael Wagaman

IN TESTIMONY WHEREOF, I have hereunto set my hand this 1 day of September, 19 77

David Schwind

STATE OF _____)
COUNTY OF _____) ss.:

On this _____ day of _____, 19 _____ before me personally appeared
Thomas McCarthy

to me known and known to me to be the individual described in and who executed the foregoing instrument,
and he / she / they acknowledged to me that he / she / they executed the same.

[SEAL]

Notary Public

My commission expires:

STATE OF NEW JERSEY)
COUNTY OF MORRIS) ss.:

On this 15th day of September, 19 99 before me personally appeared
Michael Wagaman

to me known and known to me to be the individual described in and who executed the foregoing instrument,
and he / she / they acknowledged to me that he / she / they executed the same.

[SEAL]

KAREN G. FITZPATRICK
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires December 9, 2002

Notary Public

My commission expires:

STATE OF NEW JERSEY)
COUNTY OF MORRIS) ss.:

On this 1st day of September, 19 99 before me personally appeared
David Schwind

to me known and known to me to be the individual described in and who executed the foregoing instrument,
and he / she / they acknowledged to me that he / she / they executed the same.

[SEAL]

KAREN G. FITZPATRICK
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires December 9, 2002

Notary Public

My commission expires:

1004599-10104